



## Search Results Attached

Serial Number 10/798,190

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Total Pages of Results 25



(plural OR multiple OR plurality OR multiplicity

- 2001

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☒ Engineering, Computer Science, and Mathematics

☐ Search in all subject areas.

The "AND" operator is unnecessary -- we include all search terms by default. [details]

**Scholar** All articles Recent articles Results 1 - 100 of about 274 for (plural OR multiple OR plurality OR multiplicity) AND (foam OR foamed) AND (layer OR

**All Results**

B Copenhagen

J Closner

J Stahl

M Piazza

P Andersen

**Multi-layer** liner for waste water system rehabilitation - group of 2 »

JM Hume, JT Daniele... - US Patent 5,618,616, 1997 - Google Patents

... comprised of a structurally rigid **foam** internal **layer** ... **layer** 12 and second moisture

**barrier layer** 14—which ... strength and integrity of **multiple** factors beyond ...

Cited by 5 - Related Articles - Web Search

**PLASTIC STORAGE TANK**

JJ Closner - US Patent 3,383,004, 1968 - Google Patents

... wall 14 is advantageously formed from a **plurality** of panels ... the insulation is shown

as a **foam**, in some ... will be readily apparent that a great **multiple** of resins ...

Cited by 13 - Related Articles - Web Search

**Method for forming foamed parts and a multiple layer release adhesion paper therefor** - group of 2 »

K Parker - US Patent 4,973,371, 1990 - Google Patents

... FORMING **FOAMED** PARTS AND A **MULTIPLE LAYER** RELEASE ADHESION ... A process for forming

a decorative **foamed** in place ... applique is formed by reacting **foam** precursors in ...

Cited by 6 - Related Articles - Web Search

**Polyurethane insulating foam** - group of 2 »

H Kluth, J Wegner, R Bachmann - US Patent 4,596,725, 1986 - Google Patents

... coatings can be obtained by **multiple-layer** application, ... the initial application has expanded to a **foam** and hardened, so that a **plurality** of insulating ...

Cited by 9 - Related Articles - Web Search

**Method for the preparation of low temperature structure** - group of 2 »

RB Bennett - US Patent 4,226,071, 1980 - Google Patents

... The ledgers **foamed** polystyrene making a crib directly underneath ... **layer** 48 are butted,

and, beneficially if a rigid **foam** is resting on the floor 38. ... A **plurality** ...

Cited by 3 - Related Articles - Web Search

**Facade clad buildings and method** - group of 2 »

LV Jochmann - US Patent 4,019,296, 1977 - Google Patents

... In applying the **foamed** insulation, it is not nec- **plurality** of laterally extending strips wherein the ... essay ^ each **foam** insulating membrane be in edge- ...

Cited by 9 - Related Articles - Web Search

**Expanded polystyrene lightweight fill** - group of 2 »

JP Devine, JH Holmquest... - US Patent 5,549,418, 1996 - Google Patents

... **Foam** block backfill 204 is then placed behind the multi -**layer** laminate structure ...

The **foam** block backfill 204, which is constructed from a **plurality** of **foam** ...

Cited by 6 - Related Articles - Web Search

**Fire protective thermal barriers for foam plastics** - group of 2 »

JS Stahl - US Patent 4,122,203, 1978 - Google Patents

... Caving wherein preferred embodiments of the present ties which provide **multiple**

functions of resin extender ... A **foam** plastic core is subsequently **foamed**-in-place ...

Cited by 38 - Related Articles - Web Search

**CEMENIRNOUS LAMINATE OF SULFONATED POLYMERS**

F King - US Patent 3,592,724, 1971 - Google Patents

... eye pulled out from plywood, a **Between foam and cement** ... sulfonated so that it contains

a **plurality** of sulfonic ... material and a **layer** of **foamed** plastic bonded to ...

Cited by 12 - Related Articles - Web Search

**Laminate insulation barriers having a cementitious structural matrix and methods for their ...** - group of 3 »

PJ Andersen, SK Hodson - US Patent 5,631,097, 1997 - Google Patents

... Eriksen and Andersen, **Foam** Stability Experiments on Solutions ... International Conference

on Superplasticizers in **Concrete**, (Jun. ... and a structural **layer** which has ...  
Cited by 6 - Related Articles - Web Search

Method of producing artificial rocks and waterfalls - group of 2 »

TJ Roberts - US Patent 5,911,927, 1999 - Google Patents  
... with an inner **layer** of low density urethane **foam**. ... in failing to form a cradle from  
**multiple** sections, spraying a ... coating the rock with a **plurality** of coats of ...  
Cited by 6 - Related Articles - Web Search

Roof and method of preparation - group of 2 »

JP Sheahan, LE Putnam - US Patent 4,045,934, 1977 - Google Patents  
... cell plastic **foam** disposed within the cavity, the plastic **foam** of the ... The roof of  
claim 1 wherein the first **layer** comprises a **plurality** of generally ...  
Cited by 4 - Related Articles - Web Search

Protective barrier coating for styrofoam using an unsaturated thermosettable resin composition - group of 3 »

JC Uroda - US Patent 4,729,919, 1988 - Google Patents  
... constructed with a closed cell **foam** and any surface ... the magnitude of 65 last or **multiple**  
**layers** can be ... process of altering the surface of a **foamed** vinyl aromatic ...  
Cited by 3 - Related Articles - Web Search

Armor comprising a plurality of loosely related sheets in association with a frontal sheet ... - group of 2 »

CW Clausen - US Patent 4,292,882, 1981 - Google Patents  
... with **barriers** 45 comprising a **multiplicity** (10 or ... like structure composed of a **plurality**  
of normally ... structures included liners of compactible **foam** plastic which ...  
Cited by 26 - Related Articles - Web Search

Lightweight marine structural concrete system - group of 3 »

NA Shepherd - US Patent 4,263,862, 1981 - Google Patents  
... accomplished by the utilization of a **plurality** of buoy ... Also, individual segments  
of any **multiple** of a core ... connected and restressed if necessary, **foam** would be ...  
Cited by 3 - Related Articles - Web Search

Process for rehabilitation of sewer collection system structures - group of 3 »

T Martin - US Patent 5,538,755, 1996 - Google Patents  
... waterproofing stage is applied in **multiple** coats using ... is preferably applied over  
the **cement** solution **layer**. ... An expansive **foam** grout having these properties is ...  
Cited by 1 - Related Articles - Web Search

Highly insulative cementitious matrices and methods for their manufacture - group of 3 »

PJ Andersen, SK Hodson - US Patent 5,641,584, 1997 - Google Patents  
... and its interaction with **Cement**. ... et al., **Foam** Stability Experiments ...  
Containing Superplasticizing and air-entraining Agents for **Concrete**, ...  
Cited by 20 - Related Articles - Web Search

Composite building module - group of 3 »

MR Piazza, DE Zimmer - US Patent 4,252,767, 1981 - Google Patents  
... **foam** **layer** is 50 sition which is **foamed** in situ ... **multiplicity** of concrete dowels  
thereby interlocking the ... For example, the rigid **foam** core 14 can be reinforced ...  
Cited by 4 - Related Articles - Web Search

METHOD OF MAKING A STORAGE VESSEL WITH A DISTENDED HEMISPHERICAL ROOF

RL Irvine - US Patent 3,170,828, 1965 - Google Patents  
... one formed from **Polyurethane**, although other **foamed** plastics may ... with claim 2 including  
placing a **plurality** of courses ... the metal tank with a rigid **foam** polymer ...  
Cited by 1 - Related Articles - Web Search

Method and apparatus for controlling reverberation of sound in enclosed environments - group of 4 »

JC Allred - US Patent 4,607,466, 1986 - Google Patents  
... being a **polyurethane** **foam** board, said structural **layer** ... a porous **layer** and a generally  
rigid **layer**, said ... drilling a **plurality** of holes such that the total area ...  
Cited by 9 - Related Articles - Web Search

Modular method of making a building structure - group of 2 »

RD Britz ... - US Patent 4,519,176, 1985 - Google Patents  
... to the same component shown in **multiple** figures of the ... an insulating material, such  
as **polyurethane** **foam**, is formed ... H) mounting in registry a **plurality** of frame ...  
Cited by 3 - Related Articles - Web Search

Structure for protecting and insulating frozen substrates and method for producing such structures - group of 2 »

AC Condo, GR Knight, GR Burt, AE Borchert - US Patent 3,986,781, 1976 - Google Patents  
... 5 tons whatsoever. frozen substrate and a **plurality** of **foamed** in place ...

**polyurethane foam layers** each with a vapor pénétra- ...  
Cited by 4 - Related Articles - Web Search

Metal roof sealing system and method - group of 2 »

RB Williamson, EG Kane, JB Letts - US Patent 5,950,383, 1999 - Google Patents  
... system and method having a **plurality** of overlapping fluted ... with a meltable insulation **layer** for supporting ... a sealing compound such as **polyurethane foam** and/or a ...  
Cited by 5 - Related Articles - Web Search

Composite permanent block-form for reinforced **concrete** construction and method of making same - group of 2 »

MH Sachs - US Patent 4,038,798, 1977 - Google Patents  
... plastic is rigid **polyurethane foam**. ... A **plurality** of vertical **concrete** columns 5 The mold, generally ... glass sections formed as the side walls 12 **foamed** glass end ...  
Cited by 22 - Related Articles - Web Search

Coated metal pipe having bending capability - group of 2 »

HF Jarvis, FS Gelfant - US Patent 4,759,390, 1988 - Google Patents  
... with a compressible material such as **foamed** plastic or ... 50 prises a chamber having a **plurality** of holes in ... to claim 1, wherein the corrosion **barrier layer** is of ...  
Cited by 2 - Related Articles - Web Search

**BUILDING COMPONENT**

IT Agro - US Patent 3,561,177, 1971 - Google Patents  
... in the first direction and a **plurality** of said ... wherein said facing **layer** is a **foamed** porous plastic ... a structure comprising a **foam layer** having interconnected ...  
Cited by 27 - Related Articles - Web Search

Energy efficient building system - group of 2 »

DJ Grieb - US Patent 4,774,794, 1988 - Google Patents  
... Michi- foamblocks includes a single **layer** 27 offiberglass ... 12, 13 or 14 wherein said blockshave **foam** cores ... **plurality** of preformed load-bearing **cement foam** core ...  
Cited by 59 - Related Articles - Web Search

Fiber reinforced **cementitious** castings - group of 2 »

J Delmonte - US Patent 4,316,925, 1982 - Google Patents  
... shapes, either as single **layers** or **multiple layers**, are suitable ... in claim 1 in which said gathered **plurality** of fibers ... to a surface of a synthetic **foam** material ...  
Cited by 9 - Related Articles - Web Search

Liquid storage installations

US Patent 3,952,907, 1976 - freepatentsonline.com  
... be pre-formed for example as a **plurality** of suitably ... of the liquid in the upper **layer** of the ... Phenol formaldehyde **foam** or **polyurethane foam** may be used, but ...  
Cited by 13 - Related Articles - Cached - Web Search

Storage structures with layered thermal finish covering - group of 2 »

JS Andrepont, RJ Bannon, MP Duff... - US Patent 5,231,811, 1993 - Google Patents  
... loosen, curved shapes supported by a **plurality** of columns or by 30 ... glass **foam**. Specifically ... material **foamed** in-place insulation or made up of a **plurality** of ...  
Cited by 8 - Related Articles - Web Search

Method of forming a horizontal contamination barrier - group of 2 »

MJ Heymans, FW Obernolte Jr - US Patent 5,002,431, 1991 - Google Patents  
... fracturing, the thickness of the **layer** of injected ... **cement**, well casing **cement**, **epoxy**, bentonite and plastic **foam**. ... of claim 7, wherein a **plurality** of tiltmeters ...  
Cited by 22 - Related Articles - Web Search

Insulated marine pipe apparatus and method of installation - group of 3 »

JG Baker - US Patent 6,199,595, 2001 - Google Patents  
... A **plurality** of parallel bar-like runners -<sup>^</sup> are formed ... the casing for longer sections, allow **multiple** flow lines ... first **layer** of insulation of **foam**, and second ...  
Cited by 3 - Related Articles - Web Search

Polyurethane skate wheel with shaped foam core - group of 2 »

N Piper, T Peterson - US Patent 5,922,151, 1999 - Google Patents  
... elastomeric bladders configured with **multiple** discrete ... rim surface configured with a **plurality** of circumferentially ... of closed cell **polyurethane foam** and is ...  
Cited by 5 - Related Articles - Web Search

Adhesively-bonded coated composites of highly saturated elastomers

LA Bryant, DF Lawson - US Patent 5,069,927, 1991 - patentstorm.us  
... in transfer **layer** 428/32.86 , **Multiple** resins in ... Encapsulated liquid 428/322.2 ,

Indefinite **plurality** of similar ... or aluminum oxide 428/33 , **PLURAL PARTS WITH** ...  
Cited by 3 - Related Articles - Cached - Web Search

#### METHOD FOR MAKING REINFORCED MODULAR FOAM PANELS

VP Weismann - US Patent 3,555,131, 1971 - Google Patents  
... length corresponding to some r even **multiple** of the ... resin plastic material;  
hard-setting the **foam** plastic ma ... top and bottom surfaces and a **plurality** of internal ...  
Cited by 22 - Related Articles - Web Search

#### Asphaltic polyurethane foam for roofing applications - group of 2 »

CG Tzeng, GF Thagard III - US Patent 5,786,085, 1998 - Google Patents  
... 93: 221488n "**Foamed polyurethane** materials with a bitu -men and a hydroxy ... to form  
a **polyurethane foam**. ... 0". The viscosity of a having a **plurality** of hydroxy (-OH ...  
Related Articles - Web Search

#### Composite building module and method for making same - group of 4 »

MR Piazza - US Patent 4,233,787, 1980 - Google Patents  
... 9 and 10 as comprising a **plurality** of farms 42 ... in several passes to the top of the  
bottom **layer** and rolled ... In curing the wet shell surrounding the **foam** cores 10 ...  
Cited by 18 - Related Articles - Web Search

#### ROOFING MEMBRANE WITH FIBROUS REINFORCING MATERIAL

GW Clarvoe - US Patent 3,455,076, 1969 - Google Patents  
... **layer** of spongy material containing a **plurality** of intersecting ... recited in claim  
5, wherein the **layer** of spongy material is comprised of plastic **foam**. ...  
Cited by 23 - Related Articles - Web Search

#### Method and apparatus for manufacturing a foamed plastic laminated panel - group of 3 »

TE Bergqvist - US Patent 5,021,108, 1991 - Google Patents  
... 30 framework such as a **plurality** of steel ... strengths achievable between the **polyurethane**  
**foam** core and ... apparatus for manufacture of **foamed** plastics laminated ...  
Cited by 6 - Related Articles - Web Search

#### Insulated roof construction - group of 2 »

RJ Bynoe - US Patent 4,492,064, 1985 - Google Patents  
... board, gypsum board, or panels formed of **foamed** ... thermal insulation are formed  
of closed-cell polystyrene **foam**. ... insulation is comprised of a **plurality** of panels ...  
Cited by 11 - Related Articles - Web Search

#### Construction element - group of 2 »

K Shamszadeh - US Patent 4,517,782, 1985 - Google Patents  
... aesthetic facings, this element may have **multiple** uses in ... for example a flexible  
joint, a rigid **foam**, a pad ... with screen 14 to receive a **cement layer** 15 (FIG. ...  
Cited by 9 - Related Articles - Web Search

#### Method for molding artificial urethane rock - group of 5 »

ED Jarboe, RD Jarboe, EM Barclay... - US Patent 4,940,558, 1990 - Google Patents  
... equipment and impingement mix or static mix **plural** spray gun ... such as **multiple** coats  
of latex, to the exterior ... spray- 15 ing of a reinforced urethane **foam** on the ...  
Cited by 17 - Related Articles - Web Search

#### Insulated pipeline - group of 2 »

GA Webster, BJ Wadie - US Patent 4,590,971, 1986 - Google Patents  
... pipeline, for example the strain induced in the **foam** ... a continuous coating of non-**foamed**  
resilient water ... pipeline, and 30 surrounded by a **plurality** of said sections ...  
Cited by 23 - Related Articles - Web Search

#### Method of protecting a structure - group of 4 »

PJ Dudd, JR Martin - US Patent 5,814,250, 1998 - Google Patents  
... a large capacity for absorbing **multiple** hits while ... to form a syntactic **foam barrier**  
material in the ... a ballistic penetration decreasing **layer** positioned therein ...  
Cited by 1 - Related Articles - Web Search

#### Poly (oxyalkylene) poly (aliphatic isocyanate) prepolymer and polyurea polymer derived therefrom by ... - group of 2 »

RR Alm, IF Dunsmore, RM Stern... - US Patent 4,795,764, 1989 - Google Patents  
... comprises a **plurality** of said poly(oxyalk ylene) chains ... wise obtain for the  
non-**foamed** aqueous polymer prod ... able the fluid **foam** to flow and cover the desired ...  
Cited by 17 - Related Articles - Web Search

#### SHEAHAN METHOD OF ROOF CONSTRUCTION

JP Sheahan - US Patent 3,211,597, 1965 - Google Patents  
... A **plurality** of strips of the precoated felt with the side ... 2" poly- styrene **foam** 18

17 ... of claim 1, wherein said supporting member comprises **foamed** cellular glass ...  
Cited by 2 - Related Articles - Web Search

Apparatus and method for assembling composite building panels - group of 3 »  
WW Scarborough, ML McGraw - US Patent 5,809,717, 1998 - Google Patents  
... shapes and sprayed with a **cementitious layer** to produce ... the truss assembly further includes a **plurality** of gable ... process for cutting the expanded **foam** can be ...  
Cited by 4 - Related Articles - Web Search

Electrochemical deionization - group of 2 »  
AD Turner, CP Jones, MD Neville, MRH Hill - US Patent 5,584,981, 1996 - Google Patents  
... This may be repeated to build up **multiple** coats; exchanger ... this case, all the ion exchanger **foam** between the ... the same type (cationic or anionic) as that **layer**. ...  
Cited by 7 - Related Articles - Web Search

Insulative wall cladding having insulation boards fitting together to form channels - group of 3 »  
RE Kroll, V Tamburrini, FM Hansen - US Patent 5,363,621, 1994 - Google Patents  
... after the wall of insulative **foam** has been constructed, ... provide an insulation **layer** to the wall, ... FIG. 1B shows a **plurality** of triangular shaped insula- ...  
Cited by 3 - Related Articles - Web Search

Packaging for ocean disposal of low-level radioactive waste material - group of 3 »  
HH Haynes, RD Rail - US Patent 4,377,509, 1983 - Google Patents  
... **foamed polyurethane** surrounding and occupying the ... of the container and **foam**. ... A **plurality** of pipes 32 are placed adjacent to 25 HH, and Highberg, R., Long-Term ...  
Cited by 14 - Related Articles - Web Search

Metal-air cells comprising collapsible foam members and means for minimizing internal pressure ... - group of 3 »  
G Woodruff, RA Putt - US Patent 5,328,778, 1994 - Google Patents  
... A related and ing **layer**. more specific object is to provide a thin prismatic zinc-  
Page 9. ... and **foam** member are disposed in **layers** extending gen- erally ...  
Cited by 46 - Related Articles - Web Search

Laminated insulation - group of 2 »  
JJ McGlory - US Patent 4,313,993, 1982 - Google Patents  
... The structure includes a **plurality** of plastic skins with ... urethane **foam** which may be bonded to the sheets ... consisting of glass fibers and **foamed** synthetic plastic ...  
Cited by 14 - Related Articles - Web Search

Method of assembling a steel grid and concrete deck - group of 3 »  
NH Bettigole - US Patent 4,865,486, 1989 - Google Patents  
... base member 10. Sand, plastic **foam**, or other similar ... ( a ) placing said **plurality** of parallel primary load ... could also be used as the top **layer**. ...  
Cited by 17 - Related Articles - Web Search

Artificial urethane rock - group of 3 »  
ED Jarboe, RD Jarboe, EM Barclay... - US Patent 4,960,622, 1990 - Google Patents  
... such as **multiple** coats of latex, to the exterior of ... Conventional **plural** equipment, such as that manu- factured by ... with a low density urethane **foam layer** 26 as ...  
Cited by 6 - Related Articles - Web Search

Insulated log building structure - group of 2 »  
RE Lewandowski - US Patent 4,147,000, 1979 - Google Patents  
... 1, further com- prising a **layer** of fiberglass ... insulating material is a **foam** plastic material ... building structure comprising: a **plurality** of horizontally extending ...  
Cited by 9 - Related Articles - Web Search

Apparatus and method for fabricating composite panels for use in concrete buildings - group of 2 »  
E Csont - US Patent 4,943,336, 1990 - Google Patents  
... or in combination with fixtures having **multiple** sub-fixtures. ... Similarly, a **plurality** of bolts 165 is situated ... synthetic resins or expanded **foam** materials such ...  
Cited by 2 - Related Articles - Web Search

Foamed plastics laminates - group of 4 »  
PJ Briggs - US Patent 4,366,204, 1982 - Google Patents  
... 5. Rovings comprising **multiple** strands twisted, dou- bled or ... Where the core of **foamed** plastics material has no ... where part of the plastics **foam** is protected by ...  
Cited by 6 - Related Articles - Web Search

Impact resistant tank for cryogenic fluids - group of 2 »  
J Terlesky, HE Muller, JC Murphy, HF Honath - US Patent 4,041,722, 1977 - Google Patents  
... blocks 27 of **foamed** glass are supported in turn on ... side wall of the inner tank are

comprised of a **plurality** ... flexible **foam** fill material at the outer bottom edge ...  
Cited by 11 - Related Articles - Web Search

Insulative wall cladding having insulation boards fitting together to form channels and fire- ... - group of 6 »  
RE Kroll, V Tamburrini, FM Hansen - US Patent 5,392,578, 1995 - Google Patents  
... after the wall of insulative **foam** has been constructed ... the art as to provide an  
insulation **layer** to the ... be in alignment contiguous with the **plurality** of upwardly ...  
Cited by 7 - Related Articles - Web Search

book Use of Coatings to Improve Fire Resistance of Wood. - group of 2 »  
RH White - 1984 - rmmn.org  
... the total time, the longer the insulative **layer** will improve ... plywood was installed  
over a substrate of **foam** plastic. ... of 920 s was achieved with **multiple** coats. ...  
View as HTML - Web Search - Library Search

Vented cavity radiant barrier assembly and method - group of 2 »  
US Patent 6,061,978, 2000 - freepatentsonline.com  
... comprising the following steps: securing a **plurality** of **barrier** ... is then applied,  
typically by spraying **foam**, such as ... **Layer** 68 and panel 48 are each typically ...  
Cited by 9 - Related Articles - Cached - Web Search

Method of manufacturing acoustic panels for controlling reverberation of sound in enclosed ... - group of 4 »  
JC Allred - US Patent 4,614,553, 1986 - Google Patents  
... A **plurality** of these cylindrical pieces can be arranged about the container so as  
to cast ... **foam** board. ... used for the casting of the **concrete**-like rigid **layer** of ...  
Related Articles - Web Search

Concrete block and hollow insulating insert therefor - group of 2 »  
A Perreton - US Patent 4,498,266, 1985 - Google Patents  
... tolerances during the manufacturing of the **foam** insert. ... In addition, the  
**concrete**-filled section functions to ... can be eliminated, leaving bonded **layers** 102 ...  
Cited by 6 - Related Articles - Web Search

Connectors and brackets used in making insulated composite wall structures - group of 2 »  
DO Keith, DM Hansen... - US Patent 5,996,297, 1999 - Google Patents  
... are typically situated on a **plurality** of ribs ... form a thermal bridge through the  
insulating **layer**. ... fixed position before **concrete** structural **layers** are formed ...  
Cited by 4 - Related Articles - Web Search

Process of applying a unitary construction barrier - group of 2 »  
JA Cogliano... - US Patent 4,464,215, 1984 - Google Patents  
... like structure having a **plurality** of pores ... formaldehyde, phenol-formaldehyde,  
polystyrene **foam** containing interconnecting ... from a single or **multiple** **layers**, as ...  
Cited by 10 - Related Articles - Web Search

Shaped articles of foam plastics - group of 2 »  
H Giesemann - US Patent 4,125,664, 1978 - Google Patents  
... depth in one or a **plurality** of steps with a ... FIG. 10 shows a modification of the **foamed**  
base block 1 ... being an opening 7 extending throughout the **foam** block and ...  
Cited by 4 - Related Articles - Web Search

Method of making rigid asphaltic foam - group of 2 »  
CG Tzeng, GF Thagard III - US Patent 5,965,626, 1999 - Google Patents  
... 93: 221488n "Foamed polyurethane materials with a bitu -men and ... foamable mixture  
react to form said asphaltic **foam**. ... and wherein each of the **plurality** of vents ...  
Cited by 3 - Related Articles - Web Search

Crack indicator for monitoring the insulation of liquefied gas tanks - group of 2 »  
W Haupt, H Warncke, HW Friebe, D Reimold - US Patent 4,344,320, 1982 - Google Patents  
... FIG. 7 shows a piping system with a **plurality** of ... with the initial pressure set on  
the regulator **foam** **layer** 5 with glass-fibre mats 6 and 7 **foamed** in it ...  
Cited by 9 - Related Articles - Web Search

Multi-axis rotational distributing apparatus - group of 3 »  
LR Payne - US Patent 5,022,838, 1991 - Google Patents  
... During this period, the final expansion of the **foam**, free ... sections, a **plurality** of frame  
members each with a large ... cles 102 and the **foamed** **layer** 101 includes a ...  
Cited by 12 - Related Articles - Web Search

Laminated insulation blanket - group of 2 »  
CJ Botsolas - US Patent 4,054,710, 1977 - Google Patents  
... or laminar articles comprising a **plurality** of prin ... consisting of inorganic fibers

and **foamed** resins ... said thermal insulating element comprises **polyurethane foam**.  
Cited by 24 - Related Articles - Web Search

Flexible offshore pipeline with a bituminous thermal insulating layer - group of 3 »  
GR Sumner - US Patent 6,182,705, 2001 - Google Patents  
... to said pipeline comprises a **plurality** of insulating ... wherein the total thickness of said **multiple layers** is at ... seal the end of the jacketed **foam**, since it ...  
Cited by 1 - Related Articles - Web Search

Water, sediment and erosion control apparatus and methods - group of 3 »  
GW Roach - US Patent 5,605,416, 1997 - Google Patents  
... 7 is a perspective view showing a **plurality** of apparatus ... Finally, **polyurethane foam** is inexpensive. ... 7, **multiple** apparatus 10 can be positioned end-to-end in a ...  
Cited by 16 - Related Articles - Web Search

Fire barrier coating composition containing magnesium oxychlorides and high alumina calcium ... - group of 2 »  
H Ellis - US Patent 4,572,862, 1986 - Google Patents  
... lithic refractory **layer**. When used as a composite or ... Similarly, plastic substrates, **foam** or **cement**. ... materials in thick **layers**, 1/2" to 4" or even 6" in thick- ...  
Cited by 22 - Related Articles - Web Search

Connectors used in making highly insulated composite wall structures - group of 2 »  
DO Keith, DM Hansen... - US Patent 5,606,832, 1997 - Google Patents  
... a 1 inch panel of polystyrene **foam** has an ... a predetermined distance by an insulating **layer** therebetween comprising ... walls or other structural **layers** compared to ...  
Cited by 12 - Related Articles - Web Search

... of hazardous material with vapor suppressing, persistent, water-containing, polymeric air foam - group of 2 »  
DW Kent, TW Berger... - US Patent 4,795,590, 1989 - Google Patents  
... in the form of a coating, blanket, or **layer** on ... will be the major component of the **foam** thereof by volume ... groups and a chain containing a **plurality** of sufficient ...  
Cited by 14 - Related Articles - Web Search

Heat-responsively self-sealing protective jacket for expansion joints - group of 2 »  
HR Nickerson, HA Rink, JK Menzel - US Patent 4,058,328, 1977 - Google Patents  
... is not provided with a **layer** of **foamed** elastomeric material ... or both, said jacket comprising a **plurality** of ... wherein said means comprises a **layer** of intumescent ...  
Cited by 8 - Related Articles - Web Search

Insulated wall construction and forms and method for making same - group of 3 »  
VS Grinshpun, WS Young - US Patent 6,247,280, 2001 - Google Patents  
... The wall construction includes a **plurality** of exterior ... containing two or more insulating **foam layers** to be ... be made having an insulating **foam layer** adjacent to ...  
Cited by 6 - Related Articles - Web Search

Reinforced concrete panels and building constructed therewith - group of 2 »  
HVS GangaRao - US Patent 4,320,606, 1982 - Google Patents  
... A building formed by assembling a **multiplicity** of pre-cast ... of insulating material such as **polyurethane foam** within the ... is shown therein a **plurality** of footer ...  
Cited by 10 - Related Articles - Web Search

Photovoltaic building assembly with continuous insulation layer - group of 4 »  
TL Dinwoodie, AD Jackaway, TM Mueller, DS Shugar - US Patent 6,148,570, 2000 - Google Patents  
... and the outer surface of the insulation **layer**; and said **plurality** of said PV ... sized so when said insulation **layer** is a **foam** insulation **layer** said **foam** ...  
Cited by 7 - Related Articles - Web Search

Flexible mold for forming simulated tile or brick surfaces - group of 2 »  
H Osada - US Patent 4,647,000, 1987 - Google Patents  
... joint pattern made by laying up in a **multiplicity** ... molding frame of claim 2 wherein said **foamed** plastic is ... reinforced with a plastic film **layer** between said ...  
Cited by 6 - Related Articles - Web Search

Portable fabric covered divider panels - group of 3 »  
JD Tyner - US Patent 5,486,391, 1996 - Google Patents  
... **foam** such as **foamed** polystyrene, **foamed** **polyurethane**, **foamed** phenolic resin ... the same opening or in **multiple** adjacent openings ... of the solvent on the **foam** core 12 ...  
Cited by 19 - Related Articles - Web Search

Insulated building panel with a unitary shear resistance connector array - group of 2 »  
GC Record - US Patent 5,927,032, 1999 - Google Patents  
... The **multiple layers** are smoothly blended together and cured so as ... When a **plurality**



of building panels 10 are joined ... After the first **layer** of **foam** is added, the ...  
Cited by 13 - Related Articles - Web Search

Methods and compositions for bonding a **cement**-based overlay on a **cement**-based substrate - group of 2 »  
PJ Andersen, SK Hodson, H Jennings, AJ Kelzenberg - US Patent 5,695,811, 1997 - Google Patents  
... Eriksen et al., **Foam** Stability Experiments on Solutions ... the water/ **cement** ratio of  
each **layer** of the ... of Solid Waste From Ready-Mix **Concrete**, **Cement** and **Concrete** ...  
Cited by 2 - Related Articles - Web Search

Portable spa platform and method of using - group of 3 »  
KL Noble - US Patent 6,327,722, 2001 - Google Patents  
... apart arrangement and bounded by a **plurality** of peripheral ... such as duct tape, having  
an adhesive **layer** on one ... material is sufficient, such as **Foam** Magic®, an ...  
Related Articles - Web Search

Encapsulated breaker chemical with a multi-coat **layer** urea - group of 2 »  
LA McDougall, JC Newlove, PV Manalastas, EN Drake - US Patent 5,102,559, 1992 - Google Patents  
... overcoat **layers** in accordance with this invention in- ... and **foam** stabilizing agents  
and the like, ... referred as the protective **layer**. 35 resists fractures. ...  
Cited by 9 - Related Articles - Web Search

Plastic liners for **concrete** structural elements and the elements and structures produced thereby - group of 2 »  
P Rye - US Patent 5,168,682, 1992 - Google Patents  
... **layer** containing fibers projecting from the **layer** on which the ... smooth major side of  
each of the **plurality** of sheets 10 ... casting and curing of the **concrete** bodies. ...  
Cited by 6 - Related Articles - Web Search

Splines for joining panels - group of 3 »  
WH Porter - US Patent 5,950,389, 1999 - Google Patents  
... metal strip 86a disposed substantially about the **foam** core 86f ... outer spline 86 is  
provided with a **plurality** of spaced ... in the form of an adhesive **layer** 90 on ...  
Cited by 11 - Related Articles - Web Search

Composition comprising polymer encapsulant for sealing **layer** encapsulated substrate - group of 3 »  
US Patent 5,204,183, 1993 - freepatentsonline.com  
... asphalts, fatty-acid soaps, other emulsion and **foam** stabilizing agents ... The urea **layer**  
was built up to about 7 ... Thus, **multiple** films and **layers** of the urea were ...  
Cited by 8 - Related Articles - Cached - Web Search

Hollow core in-line skate wheel having contour conforming **polyurethane** wall - group of 2 »  
N Piper, T Peterson - US Patent 5,908,519, 1999 - Google Patents  
... and consisting of an annular bladder and a **plurality** ... provide elastomeric bladders  
configured with **multiple** dis- w ... or open cell elastomeric **foam** having inlet ...  
Cited by 7 - Related Articles - Web Search

Protective mat assembly and installation method therefor - group of 2 »  
JO McQuade - US Patent 4,856,791, 1989 - Google Patents  
... A **plurality** of fasteners secure the support panel to the steel plate. ... **cement**. ... The rounds  
then further penetrate the **foam** **layer** and impacted against the steel ...  
Cited by 8 - Related Articles - Web Search

Thermally insulated tank for land storage of low temperature liquids - group of 2 »  
P Jean - US Patent 4,225,054, 1980 - Google Patents  
... the tank, is an assembly of **multiple** rectilinear sections ... insulation **barrier** 4  
of **polyurethane** **foam**, which covers ... bottom wall comprising a **plurality** of parallel ...  
Cited by 3 - Related Articles - Web Search

Solvent-free, organoclay-filled asphaltic **polyurethane** dispersion and method of making and using it - group of 3 »  
RJ Janoski - US Patent 5,421,876, 1995 - Google Patents  
... In the octahedral **layer**, two aluminum ... **multiple** plies (generally from 2 to 4) of membrane, ...  
6 to 40 parts and preferably 45 insulation such as **foamed** polystyrene ...  
Cited by 9 - Related Articles - Web Search

Method and apparatus for forming structural articles - group of 3 »  
FA Matich - US Patent 5,833,796, 1998 - Google Patents  
... from expanded polystyrene (EPS) having a **plurality** of apertures ... a single sheet 15,  
and that **multiple** stations can ... of a high density EPS **foam** **layer** 56 covered ...  
Cited by 14 - Related Articles - Web Search

Multi-prong connectors used in making highly insulated composite wall structures - group of 3 »  
DO Keith, DM Hansen... - US Patent 5,809,723, 1998 - Google Patents  
... a 1 inch panel of polystyrene **foam** has an R ... The bridging means for interconnecting

the **plurality** of prongs ... insu- lative connectors having **multiple** prongs used ...  
Cited by 5 - Related Articles - Web Search

Mine gallery curtain and method - group of 2 »

PE Bailey, RL Jones, JM Scales, FB Akers III - US Patent 6,082,828, 2000 - Google Patents  
... Further, the **foamed** stoppings 18 provide substantially air tight seals when the ... The **foam** ... air permeable sheets joined together by a **plurality** of connectors ...  
Cited by 2 - Related Articles - Web Search

Composite lightweight building element and methods of making and using same - group of 3 »

JW Boehning - US Patent 5,930,964, 1999 - Google Patents  
... It should be appreciated that **multiple** bricks would be formed on a ... One only needs to cut a log of **foam** 40 (either ... and ledges 2 and 3 of the second **layer** 1. The ...  
Cited by 4 - Related Articles - Web Search

The Influence of Low-Permeance Vapor Barriers on Roof and Wall Performance

JF Straube - Proc. of Performance of Whole Buildings, 2001 - civil.uwaterloo.ca  
... the drying of roofs and walls, and **multiple** vapor **barrier** ... If unfaced closed-cell polyisocyanurate **foam** were used in ... the need for a special vapor control **layer**. ...  
Cited by 5 - Related Articles - Web Search

Modular elevator shaft - group of 2 »

JR Prewer, LB Power - US Patent 4,986,040, 1991 - Google Patents  
... The modular elevator shaft further includes a **plural**- ... **plurality** of screw jacks disposed between an upper ... A length of compressible **foam** joint sealant 24 in ...  
Cited by 3 - Related Articles - Web Search

REINFORCED COMPOSITE CONCRETE PIPE-LINES

DR San Diego - US Patent 3,532,132, 1970 - Google Patents  
... resin composition or other type **layer** applied to said ... invention can be provided by a **plurality** of polymeric ... strands may be used; pluralities of **layers** of the ...  
Cited by 15 - Related Articles - Web Search

Composite grid/frame structures - group of 3 »

SW Tsai - US Patent 5,888,608, 1999 - Google Patents  
... For example, **multiple** rings may be used with rods positioned ... The most attractive filler material is either **foam** or **concrete**. ... Tests on a 1.2 cm thick **layer** of  
Cited by 12 - Related Articles - Web Search - BL Direct

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**Scholar** All articles Recent articles Results **101 - 200** of about **274** for (plural OR multiple OR plurality OR multiplicity) AND (foam OR foamed) AND (layer C

**All Results**

B Copenhaver

J Closner

J Stahl

M Piazza

P Andersen

Forming apparatus and method for thermally insulated concrete wall - group of 3 »

JP Lott, CP Van Horn, KC Van Horn - US Patent 6,195,946, 2001 - Google Patents

... alignment of the apertures when the **multiple** sections are ... elements for holding the slabs of **foam** material in ... forms, each provided with a **plurality** of elongate ...

Cited by 2 - Related Articles - Web Search

Multi-walled pipes and storage tanks for toxic and corrosive fluids - group of 5 »

DK Kauffman - US Patent 5,232,119, 1993 - Google Patents

... for cryogenically effected fluids, a **foamed** insulating 55 chopped ... and polyester resin similar to the first **layer**. ... rib feet (16), the bridging **foam** (62), and ...

Cited by 6 - Related Articles - Web Search

Method of making multi-walled pipes and storage tanks for toxic and corrosive fluids - group of 5 »

D Kauffman - US Patent 5,308,423, 1994 - Google Patents

... for cryogenically effected fluids, a **foamed** insulating material ... first and second containment wall or **layer**, the leak ... rib feet (16), the bridging **foam** (62), and ...

Cited by 6 - Related Articles - Web Search

MANUFACTURE OF REINFORCED COMPOSITE CONCRETE PIPE-LINE CONSTRUCTIONS

D Rubenstein - US Patent 3,380,259, 1968 - Google Patents

... **plurality** of polymeric resin compositions compatibly used ... 3 being the exterior cover and **layer** 121 being ... Element 1 represents the **concrete** body of wet **concrete** ...

Cited by 3 - Related Articles - Web Search

Structural building element

FL Nils, K von Loh - US Patent 4,856,248, 1989 - Google Patents

... addition substances with a grainy, fibrous, **foam**-like or ... and secured together by a **plurality** of interlock -ing ... respectively, may each be coated with a **layer** ...

Cited by 9 - Related Articles - Web Search

Construction arrangement including multiple panels provided with interlocking edges and related ... - group of 6 »

C Esposito - US Patent 5,613,338, 1997 - Google Patents

... of thin metal bonded to a **foamed** core ... for supporting the panels by a **plurality** of bearing arrange ... constructional element consists of **multiple** elongated parallel ...

Cited by 2 - Related Articles - Web Search

[PS] Restoration techniques: characteristics and performances - group of 2 »

T Zeevaert, A Bousher - RESTRAT Technical Deliverable TD3, 1998 - fz-rossendorf.de

... or, • removal of the upper **layer(s)**. ... bulk removal) Removal of upper **layers**: Soil scraping ... soil, clay, geomembrane, geosynthetic clay liner, asphalt, **concrete** ...

Cited by 4 - Related Articles - View as HTML - Web Search

Sorbent, impact resistant container - group of 2 »

TI Insley ... - US Patent 5,024,865, 1991 - Google Patents

... enclosure is divided into a **plurality** of sectional ... preferably low den -sity **polyurethane foam**, disposed therewith ... provide an additional, impervious **layer** to fur ...

Cited by 20 - Related Articles - Web Search

Thermally efficient, protected membrane roofing system - group of 3 »

JD Van Wagoner - US Patent 4,719,723, 1988 - Google Patents

... of the closed cell insula -tion **layer**, this **layer** may be ... The spheres 50 are composed of a **plurality** of ex ... or polyvinyl fluoride family of foams, **foam** glass or ...

Cited by 14 - Related Articles - Web Search

Compactly-shipped site-assembled concrete forms for producing variable-width insulated-sidewall ... - group of 3 »

A Laird, A Laird - US Patent 6,178,711, 2001 - Google Patents

... Necessary **multiple** deliveries of forms not only magnify costs ... first and second high

density **foam** panels each ... integral webs that define a **plurality** of parallel ...  
Cited by 4 - Related Articles - Web Search

book Radon-Resistant Construction Techniques for New Residential Construction: Technical Guidance  
M Clarkin - 1991 - books.google.com  
... plumbing vent Appropriate materials for the permeable **layer** are 3 ... factors, such as  
the water/cement/aggregate ratio ... and joints in **concrete** and **concrete** block can ...  
Related Articles - Web Search - Library Search

Polyvinyl alcohol product and multi-**layer** product containing the same - group of 4 »  
H Ohba, K Hirose, H Tanaka, N Hisazumi - US Patent 5,439,745, 1995 - Google Patents  
... 100 from a die for **multiple layers** by using a **plurality** of firm ... extruders.  
heat-treated multi-**layer** product of the present inven- ...  
Related Articles - Web Search

book Fire Resistive Coatings: The Need for Standards: a Symposium  
M Loeff, FM Stumpf - 1984 - books.google.com  
... well as generate a thick carbonaceous **foam** insulation ... built up in a uni- form **layer**  
in thicknesses ... is conveyed by simple impeller blowers, **multiple** blowers, or ...  
Related Articles - Web Search - Library Search

CREEP OF HARDENED PORTLAND CEMENT PASTE UNDER CYCLIC TEMPERATURE - group of 2 »  
EC RAINFORD, J TIMUSK - J. AM. CERAM. SOC. J. Am. Ceram. Soc., 1978 - Blackwell Synergy  
... from present knowledge, the creep of **concrete** may be ... faces were then capped with  
**polyurethane foam** 3/> in. ... **barrier** between the cubes and the **concrete** paste blocks ...  
Web Search

PREFORMED RESINOUS COVERINGS ADHERED TO ARCHITECTURAL SURFACES  
GL Wesp - US Patent 3,578,548, 1971 - Google Patents  
... very flexible to rigid, to a **multiplicity** of surfaces ... **Foamed** ad- 25 hesive compositions  
may be prepared ... solids content latices since these **foam** more readily. ...  
Cited by 7 - Related Articles - Web Search

Method and apparatus for backfilling pipeline trenches - group of 2 »  
EJ Klaymar - US Patent 5,765,967, 1998 - Google Patents  
... supports can be sand bag piles or **foam** blocks spaced ... 5" plus rocks produced by the  
**multiple** screened device ... the geotextile fabric on the padding **layer** as the ...  
Cited by 5 - Related Articles - Web Search

book Guide for the Use of Polymers in Concrete - group of 2 »  
DW Fowler - 1992 - univpm.it  
... be ap- plied in two or three **layers** to ensure ... 2.6.5.2 **Concrete** drying—The **concrete**  
surface should be dried ... surfaces that can retain a sand **layer** should be ...  
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q Others r Thermoforming s **Foam** Molding t Pultrusion u Films  
A AGE - ADHESIVES AGE, 1984 - doi.wiley.com  
... q Others r Thermoforming s **Foam** Molding t Pultrusion ... Between Fibrillated Poly- alkene  
Films and **Cement** Matrices D ... 5,18 **Barrier** Resin Extends Plastics Use in Con ...  
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book Simplified Design for Building Fire Safety  
J Patterson - 1993 - books.google.com  
... and James Ambrose Simplified Design of **Concrete** Structures, 6th ... considerations in  
a process that **layers** on top ... such as fire and smoke **barriers**, including the ...  
Web Search - Library Search

FIBROUS GLASS PRODUCT AND METHOD OF MANUFACTURE  
AR Morrison - US Patent 3,062,682, 1962 - Google Patents  
... as well as similar single or **multiple layer** products, including ... needle, a **plurality**  
of tubes 62 can be applied ... is a binder, final setting of the **foam** results in ...  
Cited by 6 - Related Articles - Web Search

Microvoid polyurethane materials - group of 4 »  
M Barker, ALRMP Herrens, NW Keane, GLJG Biesmans, ... - US Patent 5,763,502, 1998 - Google Patents  
... perlite and fiberglass and organic **foamed** materials ... panels filled with open celled  
polyurethane **foam**. ... urethane-modified polyisocyanurate, **polyurea** and urethane ...  
Cited by 4 - Related Articles - Web Search

Insulated **concrete** masonry unit with low density heat bridges - group of 4 »  
TE Cruise - US Patent 4,527,373, 1985 - Google Patents  
... [45] Date of Patent: [54] **INSULATED CONCRETE MASONRY UNIT WITH LOW DENSITY HEAT**

BRIDGES [76] Inventor: Thomas E. Cruise, 968 Allamanda Dr., Delray Beach, Fla. ...  
Cited by 3 - Related Articles - Web Search

Assembly and method for cable joint protection - group of 4 »  
R Pokojny, PL Larsson - US Patent 4,647,718, 1987 - Google Patents  
... thermo-plastic support layer with a foamed polymeric heat ... strips or tubes having  
a plurality of lateral ... the elongate elements are perforated, a plural- 45 ity ...  
Cited by 7 - Related Articles - Web Search

Modular building system - group of 2 »  
FM Perkins Jr - US Patent 4,033,081, 1977 - Google Patents  
... A pair of glass layers are ... the outer casing further includes a plurality of spaced  
FIG. ... bag of concrete, on the job site, thereby obviating the ...  
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... for ultrasound imaging involving the use of a contrast agent and multiple images and processing of ... - group of 3 »  
EC Unger, TA Fritz, EW Gertz - US Patent 6,231,834, 2001 - Google Patents  
... IMAGING INVOLVING THE USE OF A CONTRAST AGENT AND MULTIPLE IMAGES AND ... Effect of Carbonic  
Anhydrase, Bicarbonate, and Unstirred Layers", Chemical Abstracts, 87 ...  
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Filled composite structure with pre-stressed tendons - group of 3 »  
RH Greene - US Patent 6,284,336, 2001 - Google Patents  
... 4,602, 765 by Loper) and rigid foam or concrete (US ... 5b shows a pole 400 having a  
plurality of fiber ... The fiberwraps 522 are provided in multiple layers of the ...  
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Rapid assembly secure prefabricated building - group of 3 »  
ML Maze - US Patent 5,678,384, 1997 - Google Patents  
... the insulation can be urethane foam on interior ... building 2 is constructed of a plurality  
of ... steelbottomchannel39 to the top of the concrete foundation 12. ...  
Cited by 3 - Related Articles - Web Search

GRID SYSTEM FOR EXTERNAL INSULATION TANKER  
WC Cowles - US Patent 3,759,209, 1973 - Google Patents  
... The midbody 13 may be subdivided into a plural- ... and a single or plurality of longitudinal  
bulkheads 18 as ... the covering is applied in multiple thicknesses, the ...  
Web Search

FLOATING BREAKWATER SYSTEM - group of 2 »  
JO Olsen - US Patent 3,877,233, 1975 - Google Patents  
... Concrete could be used as a bottom layer of ballast material with the foam  
and/or water ... tion in a body of water comprising a plurality of individual- ...  
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Process of producing an insulated concrete masonry unit with low density heat bridges - group of 2 »  
TE Cruise - US Patent 4,670,204, 1987 - Google Patents  
... 20 therein, which are hereinafter referred to as insulated concrete masonry units ...  
and noise insulating hollow brick comprising a thin outside layer and a ...  
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SUPPLEMENTAL BELT IN COMBINATION WITH AN ENDLESS BELT IN PAPERMAKING AND METHOD OF INSTALLING THE ...  
RH Beaumont - US Patent 3,399,111, 1968 - Google Patents  
... a woven textile fabric, an open cell foam or a ... The sheet is provided with a plurality  
of per ... the web carrying belt includes a laminated layer of deformable ...  
Cited by 10 - Related Articles - Web Search

Apparatus and method for forming a reduced weight masonry column - group of 2 »  
CM Brackett - US Patent 5,761,861, 1998 - Google Patents  
... 60 were whole. Moreover, the foam polymer backing material ... 43 cooperates with the  
thin layer of quick set mortar to ... a plurality of smaller modular units (eg. ...  
Cited by 6 - Related Articles - Web Search

LAMINATED SANDWICH CONSTRUCTION  
LJ Costanza - US Patent 3,806,928, 1974 - Google Patents  
... been found that a structure constructed of multiple ... inated sandwich 13 comprises  
a plurality of fabric lami ... comprise foamed plastic or corrugated material having ...  
Cited by 17 - Related Articles - Web Search

Method for preparing encapsulated phase change materials - group of 2 »  
JCH Chen, JL Eichelberger - US Patent 4,505,953, 1985 - Google Patents

... little success was primarily achieved using **foamed** glass beads ... of (a) be comprised of **multiple** seamless coatings ... by the application of a **multiplicity** of very ...  
Cited by 15 - Related Articles - Web Search

**Flexible and non-water absorbing insulation system - group of 6 »**  
GD Rhoades - US Patent 5,601,670, 1997 - Google Patents  
... or wrap of insulating material 5 or through **multiple layers**. ... thicknesses of rigid polystyrene or **polyurethane foam** insulation ... was wrapped with four **layer** of the ...  
Cited by 1 - Related Articles - Web Search

**Double wall steel tank - group of 3 »**  
RK Rinehart, C Johnson - US Patent 5,081,761, 1992 - Google Patents  
... **Polyurethane foam** insulation does not provide sufficient fire protection ... 16, or preferably a **plurality** of stoppers ... of the Pyro-crete material **layer** cause the ...  
Cited by 10 - Related Articles - Web Search

**Protection of expanded material and other flammable materials of low compression strength from fire, ... - group of 2 »**  
T Malcolm-Brown - US Patent 4,581,866, 1986 - Google Patents  
... It is an important constituent of the **foam** that is ... 50 (2) a **plurality** of resilient or elastomeric modular elements - The ... metal sheets separated by a **layer** of rubber ...  
Cited by 1 - Related Articles - Web Search

**Composite insulated framing members and envelope extension system for buildings - group of 3 »**  
JA Charlson - US Patent 6,125,608, 2000 - Google Patents  
... highly compressible material such as a **foam** gasket to ... a schematic perspective view of a **plurality** of friction ... The **multiple** densities may be stepped in discrete ...  
Cited by 2 - Related Articles - Web Search

**Encapsulated phase change thermal energy storage materials and process - group of 2 »**  
JCH Chen, JL Eichelberger - US Patent 4,513,053, 1985 - Google Patents  
... using **foamed** glass beads impregnated with CaCl<sub>2</sub> · 6H<sub>2</sub>O ... member of (a) be comprised of **multiple** seamless coatings ... or by the application of a **multiplicity** of very ...  
Cited by 25 - Related Articles - Web Search

**Golf ball incorporating liquid crystalline polymers - group of 3 »**  
M Rajagopalan - US Patent 5,948,864, 1999 - Google Patents  
... of the invention can be formed of one **layer** or a **plurality** of **layers** ... The blends may be **foamed** during molding by any conventional **foam** -ing or blowing ...  
Cited by 3 - Related Articles - Web Search

**Composite filled hollow structure having roughened outer surface portion for use as a piling - group of 3 »**  
RH Greene - US Patent 6,083,589, 2000 - Google Patents  
... a specific shape by wrapping **multiple layers** of fiberglass fabric ... 765 by Loper) and rigid **foam** or **concrete** ... an irregular pattern defining a **plurality** of recesses ...  
Related Articles - Web Search

**Structural protection assemblies - group of 3 »**  
DBN Hudak - US Patent 5,992,104, 1999 - Google Patents  
... of the surface and deeper **layers**, respectively. ... It is constructed of two parallel **concrete** walls with ... cell **foam** (such as closed **foam polyurethane**) or expanded ...  
Cited by 6 - Related Articles - Web Search

**Flameproof and fireproof products containing monoethanolamine, diethylamine or morpholine - group of 2 »**  
R Matalon... - US Patent 4,265,963, 1981 - Google Patents  
... unstable materials include natural or **foamed** thermoplastic material ... used in the molding of polystyrene **foam** panels and ... produced by laminating a **plurality** of layers or ...  
Cited by 13 - Related Articles - Web Search

**PLASTIC TRUCK BODY CONSTRUCTION**  
GE KLOOTE - US Patent 3,003,810, 1961 - Google Patents  
... It is also desirable to choose a **foam** material which it ... a panel having a 2 pound density **foamed** polystyrene core ... test on a panel backed up with a **concrete** floor. ...  
Cited by 36 - Related Articles - Web Search

**Modular-accessible-units - group of 2 »**  
JG Brown - US Patent 5,111,627, 1992 - Google Patents  
... Rigid **foam** insulation ... inch (6 mm) cork sheet lying on a wood or **concrete** ... for floating loose laid on a horizontal-disassociation-cushioning-**layer** for impact ...  
Cited by 6 - Related Articles - Web Search

**Thermally insulated masonry block - group of 2 »**  
AN Iannarelli - US Patent 4,348,845, 1982 - Google Patents

... molded polystyrene or other suitable rigid foam material ... to be sure, sometimes by applying layers of thermally ... only be added to the plurality of blocks after ...  
Cited by 8 - Related Articles - Web Search

Underwater inspection criteria

SW Kelly - Rep., Naval Facilities Engineering Service Center, Port ... , 1999 - nfesc.navy.mil  
... Foam filled (typically cylindrical shape ... materials including concrete, rock rubble, granite masonry, and reinforced precast concrete armor units as shown in ...  
Cited by 2 - Related Articles - View as HTML - Web Search

THERMALLY INSULATED BUILDING MATERIAL AND METHOD AND MEANS FOR THE MANUFACTURE THEREOF

CE Derry - US Patent 3,774,428, 1973 - Google Patents  
... material, as used in multiple shingle or shake type ... be, as well as a plurality of spaced, parallel ... addition, polyurethane closed cell foam has been shown ...  
Cited by 2 - Related Articles - Web Search

Breaker chemical encapsulated with a crosslinked elastomer coating - group of 2 »

PV Manalastas, EN Drake, EN Kresge, WA Thaler, LA ... - US Patent 5,110,486, 1992 - Google Patents  
... fluids, waterbased fluids, emulsions, foam, and other ... be applied in single or multiple layers, depending on ... thermoplastic layer is generally less than the ...  
Cited by 23 - Related Articles - Web Search

VESSEL FOR TRANSPORTING LOW TEMPERATURE LIQUIDS

JS Wicdeaiann - US Patent 3,031,856, 1962 - Google Patents  
... materials of the prior art such as insulating concrete ... of insulation layer 127 to a finite thickness, a ... in super- 20 imposed relation a plurality of film ...  
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Organic Polymer Biocompatibility and Toxicology - group of 3 »

F Bischoff - Clinical Chemistry, 1972 - Am Assoc Clin Chem  
... The faster deterioration of polyurethane foam contrasted with rigid polyurethanes ...  
... of both sexes and (or) multiple strains introduced factors that ...  
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Buildings and building components - group of 4 »

RK Johnson, WM Garrison - US Patent 5,640,824, 1997 - Google Patents  
... pultrusions on opposing edges of the foam boards and ... member; and a plurality of thermally insulating spacers, ... u c , and nonsheet glass, bullet-proofing layer ...  
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Articles of manufacture and methods for manufacturing laminate structures including inorganically ... - group of 3 »

PJ Andersen, SK Hodson - US Patent 5,830,548, 1998 - Google Patents  
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Shah, Recent Trends in the Science and Technology of Concrete, Trends in ...  
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Metal-air-cells having improved anode assemblies - group of 3 »

RA Putt - US Patent 5,458,988, 1995 - Google Patents  
... 3A, are disposed generally in flat layers extending generally ... an anode current collector 51, a foam member 52 ... 3 and 4, a plurality of relatively small oxygen ...  
Cited by 18 - Related Articles - Web Search

CONSTANT MODULE SYSTEM

N Hamy - US Patent 3,871,146, 1975 - Google Patents  
... A modular construction system comprised of a plurality of ... is preferable to alter only by a multiple of ... or the like extending through a plurality of such units ...  
Cited by 8 - Related Articles - Web Search

Designing Exterior Walls According to the Rainscreen Principle - group of 11 »

WC Brown, GA Chown, GF Poirier, MZ Rousseau - 1999 - irc.nrc-cnrc.gc.ca  
... Holes Cladding is constructed of multiple elements that ... Closed-cell foam insulating sheathing, eg, extruded polystyrene ... installed over a continuous layer of 3 ...  
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Resinous polymer sheet materials having surface decorative effects and methods of making the same - group of 2 »

HA Shortway, AA Graham, CH Miller - US Patent 4,214,028, 1980 - Google Patents  
... and ceiling coverings; desk, table and counter tops; surface layers on leather ... rial 10 comprising a base layer or substrate 11 of a ... blown or foamed portions 14 of the ...  
Cited by 29 - Related Articles - Web Search

Composition comprising encapsulated substrate and thermoplastic polymer overcoating - group of 2 »

LA McDougall, JC Newlove, PV Manalastas, EN Drake - US Patent 5,192,615, 1993 - Google Patents

... acid soaps, other emulsion and foam stabilizing agents ... This layer-ing procedure was repeated three to four times ... Thus, multiple films or layers of the sulfonated ...  
Cited by 2 - Related Articles - Web Search

Book Model Standards and Techniques for Control of Radon in New Residential Buildings. - group of 5 »  
EP Agency - 1994 - smallbiz-enviroweb.org  
... such as non-shrink mortar, grouts, expanding foam, or ... If multiple suction points are used in nonconnected ... Lay polyethylene sheeting on top of the gravel layer. ...  
Cited by 1 - Related Articles - View as HTML - Web Search - Library Search

Insulation system - group of 2 »  
HE Lemont, RC Miller - US Patent 3,948,295, 1976 - Google Patents  
... of radiation shields can be interposed between multiple layers of the ... a plan view of an airplane having a plural- ... 25 can be formed into a plurality of adjacent ...  
Cited by 27 - Related Articles - Web Search

Modular-accessible-tiles providing accessibility to conductors and piping with improved sound ... - group of 5 »  
JG Brown - US Patent 4,546,024, 1985 - Google Patents  
... Development as levels for Grade II Multiple Dwell- 30 ... waffled EPDM polymer sponge, latex foam rubber, and ... hard-surface materials, with a plurality of flexible ...  
Cited by 6 - Related Articles - Web Search

Sealant strip useful in the fabrication of insulated glass and compositions and methods relating ... - group of 2 »  
KH Kaeding - US Patent 5,855,972, 1999 - Google Patents  
... complex "sealing and spacing unit for multiple glazed windows ... supported by support layers such as polyolefin or ... bonding the vapor barrier to the support layer. ...  
Cited by 3 - Related Articles - Web Search

Secondary battery or cell with dual electrode  
US Patent 3,985,575, 1976 - freepatentsonline.com  
... a first portion, such as a layer of felt ... felt or foam, regidized graphite felt or foam, or materials ... Each of these designs comprises a plurality of electrode ...  
Cited by 8 - Related Articles - Cached - Web Search

Book FRC 2000: Composites for the Millennium-Proceedings from the Eighth International Conference on ...  
AG Gibson - 2000 - books.google.com  
... 19 AFahrer and 3 C Savidis (BG Technology, UK) Derakane\* Momentum\*: epoxy vinyl ester resins for the 3 millennium 28 ... foam sfor the marine industry 99 ...  
Web Search

Heating and insulation arrangement for a network of installed pipes and method - group of 4 »  
GL Montierth, RO Bylin, RJ Scott - US Patent 4,791,277, 1988 - Google Patents  
... for example silicone rubber foam, which serves the 10 ... according to claim 2 wherein said layer 50 of thermal ... routing guides consisting of a plurality of spaced ...  
Cited by 3 - Related Articles - Web Search

Intumescent compositions obtained by reacting polyisocyanates with phosphorus-containing products, ... - group of 2 »  
W von Bonin - US Patent 4,367,295, 1983 - Google Patents  
... as a constituent of multiple layer or sandwich ... be applied to support materials and foamed thereon; for ... block of expanded clay embedded in carbonizing foam. ...  
Cited by 12 - Related Articles - Web Search

I-Abrasives  
D JB - Ceramics Monthly, 1964 - Blackwell Synergy  
... device comprises a ternate layers of foam glass and ... with respect to the layers, the layers containing abrasive ... There was a linear multiple regression of ...  
Web Search

Impregnated fibrous laminates - group of 4 »  
GN Smith - US Patent 4,670,311, 1987 - Google Patents  
... rally or convolutely winding a plurality of strips of ... polyurethane foam, leather and wood, and weather- ... multiple layers wound together to form a laminate tube ...  
Cited by 3 - Related Articles - Web Search

The super-efficient passive building frontier - group of 8 »  
A Lovins - Aerospace Applications Conference, 1996. Proceedings., 1996 ..., 1996 - ieeexplore.ieee.org  
... tomorrow's design, cars, and almost everywhere else we look. The magical economics come from single expenditures with multiple benefits. ...  
Cited by 2 - Related Articles - Web Search - BL Direct

Composition comprising encapsulated substrate with thermoplastic polymer overcoating - group of 2 »  
PV Manalastas, EN Drake, EN Kresge, WA Thaler, LA ... - US Patent 5,187,011, 1993 - Google Patents



... the fracture upon the sions, **foam**, and other ... can be applied in single or **multiple layers**, depending on ... the breaker release through the polymer surface **layer**. ...  
Cited by 3 - Related Articles - Web Search

Continuous apparatus for forming products from thermoplastic polymeric material having three- ... - group of 2 »  
WJ Kemmerer, CW Vassar - US Patent 4,128,369, 1978 - Google Patents  
... metal pieces are cast in a **plurality** of mold ... 15 ing a curable liquid or **foam**-type synthetic ... This ribbon may contain **multiple layers** or strata of differing ...  
Cited by 42 - Related Articles - Web Search

Dyed aqueous air foams - group of 2 »  
RR Alm, RM Stern... - US Patent 4,923,903, 1990 - Google Patents  
... the form of a coating, blanket, or **layer** on the ... colored air **foam** by contracting or mixing said **foam** hydrophilic poly(oxyalkylene) chain having a **plurality** ...  
Cited by 3 - Related Articles - Web Search

Easy open package and method of making same - group of 2 »  
PT Dietz, GR Lambach, MR Montbriand - US Patent 5,984,088, 1999 - Google Patents  
... 50 adhesive or a hot-melt rubber **cement**) and on opposite ... da, showing a **plurality** of perforations ... method of minimizing foaming is to add a **foam** suppressor such ...  
Cited by 2 - Related Articles - Web Search

Use of fibrous mat-faced gypsum board in shaft wall assemblies and improved fire resistant board  
US Patent 5,148,645, 1992 - freepatentsonline.com  
... being fastened to the floor) and a **plurality** of spaced ... by introducing an appropriate amount of **foam** into the ... The furnace was fired with **multiple** gas burners ...  
Cited by 19 - Related Articles - Cached - Web Search

Resinous polymer sheet materials having selective, surface decorative effects and methods of making ... - group of 4 »  
HA Shortway, AA Graham, CH Miller - US Patent 4,248,922, 1981 - Google Patents  
... desk, table and countertops; surface **layers** on leather ... rial 10 comprising a base **layer** or substrate ... tively high, blown or **foamed**, uninhibited cellular resin- 2Q ...  
Cited by 25 - Related Articles - Web Search

Method and apparatus for producing hollow plastic microspheres - group of 2 »  
LB Torobin - US Patent 4,303,603, 1981 - Google Patents  
... are coated with an adhesive or **foam** filler and ... to blow the microspheres, a metal **layer** is depos ... in cross-section an apparatus having **multiple** coaxial blowing ...  
Cited by 19 - Related Articles - Web Search

Package system for flowable or solid substances  
EE Hoyt, JA Smith - US Patent 5,316,400, 1994 - freepatentsonline.com  
... and/or solid substances from **multiple** reservoir chambers ... being formed to provide a **plurality** of extension ... of a gauze material, plastic **foam**, synthetic cotton ...  
Cited by 3 - Related Articles - Cached - Web Search

Method of constructing a modular structure - group of 2 »  
RE Bridges, AC Epes - US Patent 5,890,341, 1999 - Google Patents  
... is then placed over the **foamed** insulation and ... the structural frame 11, fitted with **multiple** pivoting anchor ... the subfloor units 5 by adhesive **foam** and suitable ...  
Cited by 6 - Related Articles - Web Search

Laminates, panels and means for joining them - group of 4 »  
I Sobolev - US Patent 5,030,488, 1991 - Google Patents  
... **foamed** with polyisocyanates to form **foamed** urethane cores ... have also been made with **multiple** core **layers** ... is either a conventional or syntactic **foam** (containing ...  
Cited by 21 - Related Articles - Web Search

Thermoplastic resinous composition - group of 2 »  
K Matsumoto, Y Katayama, H Sakurai - US Patent 4,423,185, 1983 - Google Patents  
... the laminae of these polymer resins may be of a **foam** form. ... using a **plurality** of extruders, and ... copolymer resins include copolymers 35 a multi-**layer** hollow article ...  
Cited by 31 - Related Articles - Web Search

book Parking Structures: Planning, Design, Construction, Maintenance and Repair - group of 2 »  
AP Chrest, MS Smith, S Bhuyan, DR Monahan, M Iqbal - 2001 - books.google.com  
... 5-1 3 **barrier** is required to prevent persons ... floor to floor 12-8 Elastomeric **concrete**-edged expansion joint ... floor to floor 12-12 **Foam** compression expansion joint ...  
Cited by 8 - Related Articles - Web Search - Library Search

Fastener-free roofing system and method - group of 2 »  
RJ Janoski, G Rudolph, RJ Gibson, DC Portfolio - US Patent 5,253,461, 1993 - Google Patents

... membrane **layers** or sections. ... Cellu-lar insulation includes **foamed** glass and **foamed** plastics, such ... apply the insulation upon the applied adhesive **layer**, and if ...  
Cited by 12 - Related Articles - Web Search

#### FLUID-HANDLING CONSTRUCTIONS, APPARATUS AND METHODS OF PRODUCTION

AL Bastone - US Patent 3,655,468, 1972 - Google Patents  
... resin matrix 112 there wall 102 includes a **plurality** of axially ... However, as regards the **foamed polyurethane**, ... be laid on part of the chopped strand **layer**, as in ...  
Cited by 17 - Related Articles - Web Search

#### Modular fiber-reinforced composite structural member - group of 2 »

F Seible, GA Hegemier - US Patent 6,189,286, 2001 - Google Patents  
... methods for inter -connecting a **plurality** of modular fiber ... of retro-fitting existing **concrete** structures is ... any structure composed of **multiple** structural members ...  
Cited by 9 - Related Articles - Web Search

#### Emulsion based coatings and a method using an emulsion based coating to seal asbestos containing ... - group of 3 »

VH Batdorf, CD Cervin ... - US Patent 5,330,795, 1994 - Google Patents  
... tank coatings, pipe coatings; **foam** coatings, asbestos ^ which ... process also requires **multiple** application steps in order ... the emulsions 15 forcing **layer** can be ...  
Cited by 11 - Related Articles - Web Search

#### Method and apparatus for producing hollow microspheres - group of 2 »

LB Torobin - US Patent 4,303,431, 1981 - Google Patents  
... are coated with an adhesive or **foam** filler and ... in cross-section an apparatus having **multiple** coaxial blowing ... 3 of vessel 1 contains a **plural** -ity of openings 4 ...  
Cited by 24 - Related Articles - Web Search

#### Laminate of thermoplastic resinous composition - group of 2 »

K Matsumoto, Y Katayama, H Sakurai - US Patent 4,410,595, 1983 - Google Patents  
... of these polymer resins may be of a **foam** form ... forming extru- sion laminating, multi-**layer** injection, or ... melt-extruded separately by using a **plurality** of extruders ...  
Cited by 37 - Related Articles - Web Search

#### Hollow plastic microspheres - group of 4 »

LB Torobin - US Patent 4,303,729, 1981 - Google Patents  
... coated with an adhesive or **foam** filler and ... cross-section an apparatus having **multiple** coaxial blowing ... the bottom surface thereof a **multiplicity** of evenly spaced ...  
Cited by 17 - Related Articles - Web Search

#### Mechanics and Durability of Fiber Reinforced Porous Ceramic Composites

X Huang - 2001 - scholar.lib.vt.edu  
... 4.19 Failure mode of flange in a compression test: torn surface **layer** . . . . Coal fired power generation plants use porous ceramic tubes as a **barrier** filter to ...  
Related Articles - View as HTML - Web Search

#### Method of constructing a transportable prefabricated room element - group of 2 »

FC Stucky - US Patent 3,999,355, 1976 - Google Patents  
... **plural**-storey building, which comprises stacking a plu ... ce)1 units are „on-load bear-  
**plurality** of sub ... for the struts 53 and including rigid **foam** insulation or ...  
Cited by 4 - Related Articles - Web Search

#### Curing and Bonding of Composites using Electron Beam Processing - group of 3 »

DL Goodman, GR Palmese - to be published in Handbook of Polymer Blends and Composites ..., 2001 - world.std.com  
... and demonstrated the use of low cost **foam** tooling ... The demonstration showed that **multiple** **layers**, including base composite, ceramic tile ... Seven-**layer** armor panel ...  
Cited by 1 - Related Articles - View as HTML - Web Search

#### Use of fibrous mat-faced gypsum board in exterior finishing systems for buildings - group of 2 »

CW Lehnert, BG Randall - US Patent 4,647,496, 1987 - Google Patents  
... for example, as many as 7 **layers** of paper ... ce- ment-based insulating plasters, and phenolic **foam**. ... material in EI Systems is expanded or **foamed** polystyrene, a ...  
Cited by 32 - Related Articles - Web Search

#### Optical fiber cable splice closure - group of 4 »

DE Burek, MD Jones - US Patent 5,862,290, 1999 - Google Patents  
... of which is protected by at least one **layer** of coating ... tray which, in turn, has a **plurality** of splice ... the cable, which normally provides several **layers** of 60 ...  
Cited by 22 - Related Articles - Web Search

#### HARDENING OF WATERGLASS SOLUTIONS USING PYROCARBONIC ACID ESTERS AND/OR CARBOXYLIC-CARBONIC ACID ...

B Aktiengesellschaft - US Patent 3,817,766, 1974 - Google Patents  
... controlled by the inter-play of a **plurality** of parameters ... molds are in -organic  
and/or organic **foamed** or non ... be produced by the 40 urethane **foam** or polystyrene ...  
Cited by 1 - Related Articles - Web Search

Method of building a wall surface linked up with an initial wall and having predetermined relative ... - group of 2 »  
G Sallenave, A Chemereau, JP Pomies, G Thomas, A ... - US Patent 3,996,717, 1976 - Google Patents  
... the corresponding intermediate spaces, these **layers** of heat ... mounting said secondary  
heat insulating **layer** as used ... such as polyvinyl chloride **foam** or possibly ...  
Cited by 1 - Related Articles - Web Search

[book] Corrosion-Resistant Plastic Composites in Chemical Plant Design - group of 3 »  
JH Mallinson - 1987 - books.google.com  
... DH Kaelble 8. Engineering Thermoplastics: Properties and Applications, Edited by  
James M. Margolis 9. Structural **Foam**: A Purchasing ... 6. 8 **Concrete** Encasement ...  
Cited by 2 - Related Articles - Web Search - Library Search - BL Direct

Serum separating device and apparatus for serum separation - group of 2 »  
Y Tsukagoshi, T Yamamoto - US Patent 5,632,895, 1997 - Google Patents  
... from a group consisting of urethane **foam**, cellulose sponge ... of the lower surface 14b  
thereof, a **plurality** of grooves ... with blood cells from the clot **layer** after ...  
Cited by 4 - Related Articles - Web Search

Methods, compositions, and systems for ligand extraction - group of 2 »  
B Zenner, E De Castro, JP Ciccone - US Patent 5,096,724, 1992 - Google Patents  
... other way (eg, store and manipu- late the materials under a protective **barrier**),  
or drive ... by entrapment and- 5 /or covalent linkage to a **polyurethane** matrix or ...  
Cited by 14 - Related Articles - Web Search

Solid oxide fuel cell stack - group of 4 »  
FJ Gardner, MJ Day, NP Brandon, JB Brownell - US Patent 5,554,454, 1996 - Google Patents  
... electrolyte/electrode assembly comprising a **plural**- ity of ... porous substrate 36 carries  
a **plurality** of series ... A **barrier layer** is preferably provided under the ...  
Cited by 32 - Related Articles - Web Search

Process for making particle-coated solid substrates - group of 3 »  
RL Kooyer, WA Hendrickson - US Patent 6,037,019, 2000 - Google Patents  
... other. **Multiple** passes may be used to create a thicker coating **layer** on  
a core particle or **multiple** different **layers**. Limitations ...  
Cited by 7 - Related Articles - Web Search



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All Results

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J Stahl

[M Piazza](#)

P Andersen

Method for incrementally stretching a zero strain stretch laminate web to impart elasticity thereto - group of 2 »

GM Weber, WR Vinnage Jr, DH Benson, DA Sabatelli, ... - US Patent 5,167,897, 1992 - Google Patents

... at a **plurality** of spaced apart points, as can be ... two **layers** of film 214,216 to form

a heat sealed ... elongated substrate 12 between bond- 50 **layer** composite 228. ...

Cited by 30 - Related Articles - Web Search

Crash sensor for a passive motor vehicle occupant restraint system - group of 2 »

DS Breed, V Castelli, AS Pruzzenski Jr, WT Sanders - US Patent 5,153,393, 1992 - Google Patents

... However, when placed on a vehicle and crash tested into a **barrier** at 12 mph, the

40 sensor frequently either does not trigger at all or it triggers late. ...

Cited by 6 - Related Articles - Web Search

Structures and fabricated articles having shape memory made from. alpha.-olefin/vinyl or vinylidene ... - group of 3 »

SM Hoenig, RR Turley, YW Cheung, MJ Guest, CF ... - US Patent 6,156,842, 2000 - Google Patents

... polynorbornene, styrene-butadiene copolymer, **polyurethane**, transpolyisoprene and ...

such as charging the **foam** beads to ... or blend composition a **plurality** of which ...

Cited by 16 - Related Articles - Web Search

[The use of film nonlinearities in optical spatial filtering](#) - group of 4 »

A VanderLugt, FB Rotz - Appl. Opt, 1970 - OSA

... be detected. The technique for multiplexing in transposed processing is to

place **multiple** signals in the input plane. Never- theless ...

Cited by 29 - Related Articles - Web Search

[\[book\] Composite Structures for Civil and Architectural Engineering](#)

DH Kim - 1995 - books.google.com

... and AE Naaman Interfaces in **Cementitious** Composites Edited ... on polymer, metal, ceramic

and **cement** matricet given. ... recall the function of aggregates in **concrete**). ...

Cited by 12 - Related Articles - Web Search - Library Search

[Microporous material having a coating of hydrophobic polymer](#) - group of 2 »

T Rechlicz, DD Leatherman - US Patent 5,032,450, 1991 - Google Patents

... Examples of hydrophobic **layers** include mi- croporous ... effec- tively transported through

the **layer** by diffusion ... and synthetic zeo- lites, **cement**, calcium silicate ...

Cited by 57 - Related Articles - Web Search

[\[book\] Manufacturing of Polymer Composites](#)

T Astrom - 1997 - books.google.com

... 2.4.3 Expanded **Foam** Cores ... In notations with **multiple** subscripts, the first one refers

to ... discharge machining EN European norm (standard) EP **Epoxy** EPA United ...

Cited by 29 - Related Articles - Web Search - Library Search

[Modular-accessible-units and method of making same](#) - group of 2 »

US Patent 5,205,091, 1993 - freepatentsonline.com

... said removed corners, and said **multiple** continuous spans ... mechanical fastening means

to a **plurality** of through ... preferred material is polyethylene **foam**, such as ...

Cited by 6 - Related Articles - Cached - Web Search

[Hinges for highly inorganically filled composite materials](#) - group of 2 »

PJ Andersen, SK Hodson - US Patent 5,851,634, 1998 - Google Patents

... and Struble, Rheology of **Cementitious** Systems, MRS Bulletin, Mar. 1993. Lewis and

Kriven, Microstructure-Property Relationships in Macro-Defect-Free **Cement**, MRS ...

Cited by 3 - Related Articles - Web Search

[Ground improvement engineering: issues and selection](#) - group of 2 »

GA Munfakh - Proceedings of GeoEng, 2000 - lib.jz.it.edu.cn

... reinforcing elements are placed between **layers** of compacted ... pressure in the reinforced

soil **layer** which is ... or other reagent slurries using **multiple**-axis augers ...  
Cited by 1 - Related Articles - View as HTML - Web Search

METHOD OF MAKING LAMINATED STRUCTURAL ELEMENTS S.-NORWALK ETAL AND ARTICLE PRODUCED THEREBY

S Norwalfe - US Patent 3,238,087, 1952 - Google Patents  
... adherend, such as a substrate and an adhering **layer** of thermoplastic ... adherends or laminae as in a **plural** ply laminate ... as in Example 1 but using 8 **layers** of the ...  
Cited by 11 - Related Articles - Web Search

Preparation of photosensitive block copolymer elements - group of 2 »

GYTT Chen, JF Brennan... - US Patent 4,423,135, 1983 - Google Patents  
... and those composed of a **plurality** of polymer blocks ... for several hours until a porous rubber **foam** remained ... molded into a 0.030 inch thick clear **layer** between two ...  
Cited by 28 - Related Articles - Web Search

Use of cover sheet and interposed flexible film with block copolymer composition - group of 2 »

GYTT Chen, JF Brennan... - US Patent 4,323,637, 1982 - Google Patents  
... methyl styrene), and those composed of a **plurality** of polymer ... several hours until a porous rubber **foam** remained ... into a 0.030 inch thick clear **layer** between two ...  
Cited by 36 - Related Articles - Web Search

Process of producing an elastomeric printing relief - group of 2 »

GYTT Chen, JF Brennan... - US Patent 4,369,246, 1983 - Google Patents  
... styrene), and those composed of a **plurality** of polymer ... thick- 45 ness of the polymerizable **layer** will vary ... about 0.250 inches or more and **layers** within this ...  
Cited by 33 - Related Articles - Web Search

IEEE recommended practice for the testing, design, installation, and maintenance of electrical ...

TOC View - IEEE Std 515.1-1995, 1995 - ieeeexplore.ieee.org  
... and gutter deicing, snow melting of **concrete** and asphalt ... 3.30 weather **barrier**: Material that, when installed on ... In addition, a **layer** of dry, untreated surgical ...  
Web Search

Heat-resistant electronic systems and circuit boards - group of 5 »

CH Li - US Patent 6,286,206, 2001 - Google Patents  
... that are over two to over 65 tiple metal **layers**. ... which is reinforced with a **plurality** of uniformly ... composite which is reinforced with **multiple** non-segregating ...  
Cited by 5 - Related Articles - Web Search

[book] Reinforced Plastics Handbook - group of 3 »

J Murphy - 1998 - books.google.com  
... Back in the marine sector, the **barrier** of size was ... two years later, boron fibre-reinforced **epoxy** was also ... processes ranging from one-off to **multiple** production ...  
Cited by 31 - Related Articles - Web Search - Library Search

[book] Research and Applications in Structures at the NASA Langley Research Center - group of 8 »

I Abel - 1997 - techreports.larc.nasa.gov  
... be obtained by grouping **multiple** wafers into **multiple** **layers**. ... resolution three-axis motions of **multiple** points on ... of the tests with the **foam**-filled composite ...  
Cited by 2 - Related Articles - View as HTML - Web Search - Library Search - BL Direct

Plasticized Li, onin-PVC Blends for Flooring

K Zhu - 2000 - collectionscanada.ca  
Page 1. Plasticized Li, onin-PVC Blends for Flooring Kui Zhu A Thesis in The Department of Building, Civil & Environmental Engineering ...  
Related Articles - Web Search - Library Search

Methods for the manufacture of sheets having a highly inorganically filled organic polymer matrix - group of 5 »

PJ Andersen, SK Hodson - US Patent 6,180,037, 2001 - Google Patents  
... or "blow" the polystyrene into a **foamed** material, which ... **layer**, recent studies have shown that the manufacture ... produced in the manufacture of polystyrene **foam**. ...  
Cited by 12 - Related Articles - Web Search

Comparing Performance and Speed of Spray Equipment

F Quality, D Efficiency - Protective Coatings Europe, 1999 - paintsquare.com  
... This allows coatings to be applied in thick **layers** (eg. more ... be interesting, however, because it produces a smooth **layer** with few ... Cleaning rate / **concrete** ...  
Related Articles - View as HTML - Web Search

Lette rs th Eio - group of 2 »

ARW McKellar - J. Opt. Soc. Amer, 1955 - OSA

... The use of **multiple** traversal cells for observation of ... four 2.5-cm thick **layers** of **polyurethane foam** in- sulation ... Pyrex blanks overcoated with one **layer** each of ...  
Related Articles - Web Search

[book] Dictionary of Composite Materials Technology

SM Lee - 1990 - books.google.com

... umbrella definition are cer- mets, **concrete**, asphalt, plywood ... steel, consisting of a coating of **layers** of zinc ... heated, leaving a heat-resisting **layer** of charred ...

Cited by 2 - Related Articles - Web Search - Library Search

Method and apparatus for producing hollow metal microspheres and microspheroids - group of 2 »

LB Torobin - US Patent 4,415,512, 1983 - Google Patents

... are coated with an adhesive or **foam** filler and ... in cross-section an apparatus having **multiple** coaxial blowing ... 3 of vessel 1 contains a **plurality** of openings 4 ...

Cited by 15 - Related Articles - Web Search

Fiber glass based geosynthetic material

JN Paulson, MM Girgis, JA Neubauer, N Raghupathi - US Patent 6,171,984, 2001 - freepatentsonline.com

... to it and an asphaltic paving **layer** is then ... to a supporting wall such as a **foam** insulation board ... bundles which perpendicularly intersect the **plurality** of first ...

Cited by 6 - Related Articles - Cached - Web Search

ELECTRICALLY CONDUCTIVE COMPOSITIONS AND THEIR USE

H Ellis - US Patent 3,923,697, 1972 - Google Patents

... of conductive coat- 55 the thickness of a **layer** of the ... gypsum board, asbestos-**cement**, reinforced polyester/- ... 15 them, or between **layers**, or coated on a flexible ...

Cited by 21 - Related Articles - Web Search

Recent advances in ground anchor and ground reinforcement technology with reference to the ... - group of 3 »

AD Barley, CR Windsor - GeoEng2000, International Conference on Geotechnical and ..., 2000 - lib.jz.it.edu.cn

... be of drilling muds consistency, or of **foam** have been ... This provides the **multiple** strand arrangement with a ... to ensure that a defective protective **layer** can be ...

Cited by 2 - Related Articles - View as HTML - Web Search

Powder coating compositions - group of 2 »

JD Sinclair-Day, SP Cassidy, J Ring, AG Cordiner - US Patent 5,470,893, 1995 - Google Patents

... aluminium flakes orient themselves in a continuous **layer** at or ... (c) For **Polyurethane** systems using ... in transparent media which, due to the **multiple** reflection of ...

Cited by 25 - Related Articles - Web Search

[book] Szycher's Dictionary of Biomaterials and Medical Devices

M Szycher - 1992 - books.google.com

... underlying structures by decom- posing **layer** by **layer**. ... Cellulosics, PVC, PVAC, PMMA, PVP, **epoxy** resins, and ... Adhesive, **Foamed** An adhesive whose apparent density ...

Cited by 1 - Related Articles - Web Search - Library Search

PARTITIONING SYSTEM

G Luss - US Patent 3,189,140, 1965 - Google Patents

... at the intersections of two sets of **plural** parallel lines ... will be made from sponge rubber or **foamed** plastic, or it ... of the core are covered with a **layer** 112 of ...

Cited by 14 - Related Articles - Web Search

The physical properties of composite materials - group of 3 »

DK Hale - Journal of Materials Science, 1976 - Springer

... the discussion it will usually be assumed that there are only two phases and that voids are absent, or if they should be present, as in a **foamed** material, then ...

Cited by 78 - Related Articles - Web Search

[book] Remediation of Petroleum Contaminated Soils: Biological, Physical and Chemical Processes - group of 3 »

E Riser-Roberts - 1998 - books.google.com

... 98 2.2.1.15 Vitrification 99 2.2.1.16 Tensiometric **Barriers** 99 2.2.1.17 Electric Fields 99 2.2.2 Biological Soil Treatment Processes 100 ...

Cited by 44 - Related Articles - Web Search - Library Search

Methods for the manufacture and use of electrically conductive compositions and devices - group of 2 »

H Ellis - US Patent 4,064,074, 1977 - Google Patents

... the thickness of a **layer** of the electrically ... heat dissipated, ex- - gypsum board, asbestos-**cement**, reinforced polyester ... between **layers**, or coated on a flexible ...

Cited by 18 - Related Articles - Web Search

[book] Handbook of Aluminum Bonding Technology and Data - group of 3 »

JD Minford - 1993 - books.google.com

... operation is followed by building up a new anodized **layer** of oxide ... The higher temperature-resistant **epoxy**- phenolic adhesive bonded aluminum honeycomb sandwich ...  
Cited by 8 - Related Articles - Web Search - Library Search

[book] Fire Dynamics Simulator (Version 2)--User's Guide - group of 2 »  
KB McGrattan, GP Forney, J Floyd, S Hostikka - 2001 - fire.nist.gov  
... **Multiple** Meshes Improvements have been made to the **multiple** mesh capability allowing ...  
**Layer** Height A simple calculation of the **layer** (or interface) height has ...  
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slower moving particles ... 15 The mernod can have a **plurality** of grinding stages ...  
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... timber; the padding **foam** is typically **polyurethane foam** while the fabric material is primarily ... used. When the **polyurethane foam** is exposed to ...  
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Analysis of high polymers - group of 3 »  
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^ADDED .x^ » X^ ^ ?J>^ NO J«^ ADD AQUEOUS **FOAM** 630 ADD WATER i 5,609,820 ...  
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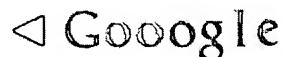
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Ref #	Hits	Search Query	DBs	Default Operat or	Plural s	Time Stamp
S48	19	(("5618616") or ("5143768") or ("5856371") or ("3844527") or ("4361336") or ("4800128") or ("5340652") or ("5879501") or ("5608998") or ("5032197") or ("5017258") or ("5002438") or ("4426817") or ("5098059") or ("5283299") or ("5763734") or ("4217383") or ("5955013") or ("5389692")).PN.	USPAT	OR	OFF	2007/01/04 13:15
L1	1	("3986781").PN.	USPAT	OR	OFF	2007/01/04 13:15
S49	3	((plural multiple plurality multiplicity) near3 foam near3 layer) same ((concrete cement cementitious) near3 (surface substrate))	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/01/03 20:28
S47	41	(("5618616") or ("5143768") or ("5856371") or ("3844527") or ("4361336") or ("4800128") or ("5340652") or ("5879501") or ("5608998") or ("5032197") or ("5017258") or ("5002438") or ("4426817") or ("5098059") or ("5283299") or ("5763734") or ("4217383") or ("5955013") or ("5389692")).PN.	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	OFF	2007/01/03 19:44

## EAST Search History

S46	0	((concrete cement cementitious) near3 (surface substrate structure)) same (coat\$3 liner lining) same ((epoxy epoxide) near3 foam) same surfacer same barrier	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/01/03 19:43
S45	0	((concrete cement cementitious) near3 (surface substrate structure)) same (coat\$3 liner lining) same ((epoxy epoxide) near3 foam) same surfacer same barrier	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/01/03 19:39
S1	1	("6706384").PN.	USPAT	OR	OFF	2007/01/03 19:37